

UNBUNDLED NETWORK ELEMENT RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Alabama 1,964,890	BS	1	\$12.58	\$1.38	\$0.0017	\$0.00063 Tandem Switching \$0.00045 Common Transport
		2	\$21.05			
		3	\$34.34			
		Avg	\$17.60 *			
Alaska 180,407 44,825	ATU	1	\$14.92	\$4.27	\$0.006595	\$0.004712 Tandem Switching \$0.000416 Termination
	ACS	1	\$19.19	\$1.38	\$0.00203	\$0.00155 Tandem Switching \$0.00023 Common Transport
Arizona 2,873,044	QW	1	\$9.05	\$1.61	\$0.0028	\$0.0014 Tandem Switching \$0.001519 Common Transport
		2	\$14.84			
		3	\$36.44			
		Avg	\$12.12			
Arkansas 1,037,211	SBC	3	\$11.86	\$1.61	\$0.001310 \$0.001690 \$0.002530	\$0.000789 Tandem Switching \$0.000157-\$0.000196 Common Transport
		2	\$13.64			
		1	\$23.34			
		Avg	\$13.09			
California 18,330,823	SBC	1	\$8.83	\$0.88	\$0.001817 set up \$0.000563 Originating \$0.002142 set up \$0.000573 Terminating	\$0.000234 set up \$0.000139 Tandem Switching \$0.00133 Common Transport
		2	\$11.27			
		3	\$19.63			
		Avg	\$9.93			
Colorado 2,807,681	QW	1	\$5.91	\$1.15	\$0.00161	\$0.00069 Tandem Switching \$0.00111 Common Transport
		2	\$12.31			
		3	\$32.74			
		Avg	\$15.85			
Connecticut 2,381,200	SBC	1A	\$8.95	\$3.31	\$0.007151 On-Net** \$0.003576 Off-Net	\$0.001984 Tandem Switching
		B	\$12.03			
		C	\$13.28			
		D	\$19.69			
		Avg	\$12.49			

*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

** On-Net rate charged only on originating minutes.

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
D.C. 919,587	VZ	1	\$4.29	\$0.76	\$0.00038 Originating \$0.00034 Terminating	\$0.00011 Tandem Switching \$0.00020 Common Transport
Delaware 589,979	VZ	1 2 3 Avg	\$10.07 \$13.13 \$16.67 \$12.05	\$2.23	\$0.002501 Originating \$0.001330 Terminating	\$0.0006688 Tandem Switching \$0.0001221 Common Transport
Florida 6,693,251	BS	1 2 3 Avg	\$10.69 \$15.20 \$26.97 \$15.27 *	\$1.40 *	\$0.0007662	\$0.0001319 Tandem Switching \$0.0004372 Common Transport
Georgia 4,225,392	BS	1 2 3 Avg	\$14.21 \$16.41 \$26.08 \$16.51 *	\$1.85 *	\$0.001633	\$0.0006757 Tandem Switching \$0.0002126 Common Transport
Hawaii 720,374	VZ	Oahu Maui Hawaii	\$10.44 \$17.23 \$21.91	\$2.69	\$0.0076074	\$0.0012572 Tandem Switching \$0.0002710 Common Transport
Idaho 556,243	QW	1 2 3 Avg	\$15.65 \$23.76 \$40.50 \$20.21	\$1.34	\$0.001343	\$0.00069 Tandem Switching \$0.00111 Common Transport
Illinois 6,750,417	SBC	A B C Avg	\$2.59 \$7.07 \$11.40 \$9.81	\$2.18 Port rate includes unlimited switching	n/a	\$0.000215 Tandem Switching \$0.000304 Common Transport
Indiana 2,360,090	SBC	3 2 1 Avg	\$8.03 \$8.15 \$8.99 \$8.20	\$2.98 Port rate includes unlimited switching	n/a	\$0.000295 Tandem Switching \$0.000513 Common Transport
Iowa 1,107,337	QW	1 2 3 Avg	\$12.69 \$15.14 \$26.39 \$15.94	\$1.15	\$0.001558	\$0.00069 Tandem Switching \$0.00111 Common Transport

*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Kansas 1,390,959	SBC	3	\$11.86	\$1.61	\$0.00131	\$0.000789 Tandem Switching \$0.000401-\$0.000475 Blended Transport
		2	\$13.64			
		1	\$23.34			
		Avg	\$14.04			
Kentucky 1,237,577	BS	1	\$10.56	\$1.49	\$0.001197	\$0.0001940 Tandem Switching \$0.0007466 Common Transport
		2	\$15.34			
		3	\$31.11			
		Avg	\$18.04 *			
Louisiana 2,377,949	BS	1	\$12.90	\$1.52	\$0.001868	\$0.0001067 Tandem Switching \$0.0003748 Common Transport
		2	\$23.33			
		3	\$48.43			
		Avg	\$17.30 *			
Maine 731,657	VZ	1	\$11.44	\$0.94	\$0.00168	\$0.001221 Tandem Switching \$0.001094 Day \$0.000322 Evening \$0.0000 Night & W/end Common Transport
		2	\$13.47			
		3	\$18.75			
		Avg	\$16.19			
Maryland 3,932,175	VZ	A1	\$11.11	\$1.90	\$0.001676	\$0.000695 Tandem Switching \$0.000353 Common Transport
		A2	\$11.85			
		B1	\$14.74			
		B2	\$13.40			
Avg	\$12.00					
Massachusetts 4,406,165	VZ	1	\$7.54	\$2.00	\$0.004647-\$0.001872 \$0.004724-\$0.001872	\$0.00119 - \$0.000851 Tandem Switching \$0.002201-\$0.000489 Common Transport
		2	\$14.11			
		3	\$16.12			
		4	\$20.04			
Avg	\$14.98					
Michigan 5,102,599	SBC	A	\$8.47	\$2.53	\$0.001192	\$0.000191 Tandem Switching \$0.000446 Common Transport
		B	\$8.73			
		C	\$12.54			
		Avg	\$10.15			
Minnesota 2,279,543	QW	1	\$8.81	\$1.08	\$0.00181	\$0.00134 Tandem Switching \$0.001484 Common Transport
		2	\$12.33			
		3	\$14.48			
		4	\$21.91			
Avg	\$17.87					
Mississippi 1,345,229	BS	1	\$12.03	\$1.41	\$0.0010269	\$0.0001723 Tandem Switching \$0.0004541 Common Transport
		2	\$16.87			
		3	\$25.68			
		4	\$43.85			
Avg	\$23.12 *	\$2.56 w/all features *				

*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Missouri 2,679,499	SBC	1	\$12.71	\$1.74	\$0.001620	\$0.001231
		2	\$18.64	\$1.97	\$0.001949	Tandem Switching
		3	\$19.74	\$2.47	\$0.002807	\$0.000507-\$0.000697
		4	\$16.41	\$2.25	\$0.002391	Blended Transport
		Avg	\$15.19	\$1.89		
Montana 374,971	QW	1	\$23.10	\$1.58	\$0.001574	\$0.000690
		2	\$23.90			Tandem Switching
		3	\$27.13			\$0.001110
		4	\$29.29			Common Transport
		Avg	\$23.72			
Nebraska 473,127	QW	1	\$12.14	\$2.47	\$0.00126	\$0.00069
		2	\$28.11			Tandem Switching
		3	\$62.50			\$0.001110
		Avg	\$14.04			Common Transport
Nevada 386,888	SBC	1	\$11.75	\$1.63	\$0.00161	\$0.00171
		2	\$22.66			Tandem Switching
		3	\$66.31			\$0.00727
		Avg	\$19.83			Common Transport
New Hampshire 795,753	VZ	1	\$11.97	\$0.71	\$0.002425 Day	\$0.000774-\$0.000684
		2	\$16.04		\$0.003199 Eve	Tandem Switching
		3	\$25.00		\$0.001343 Night	\$0.000714-\$0.000000
		Avg	\$16.21			Common Transport
New Jersey 6,681,455	VZ	1	\$8.12	\$1.91	\$0.001203	\$0.000674
		2	\$9.59		Originating	Tandem Switching
		3	\$10.92		\$0.001171	\$0.000085
		Avg	\$9.52		Terminating	Common Transport
New Mexico 854,785	QW	1	\$16.04	\$1.38	\$0.0011083	\$0.001616
		2	\$18.34			Tandem Switching
		3	\$23.70			\$0.0001252
		Avg	\$18.52			Common Transport
New York 11,857,572	VZ	1	\$7.70	\$4.57	\$0.001147	\$0.000481
		2	\$11.31		Originating	Tandem Switching
		3	\$15.51		\$0.00111	\$0.000939
		Avg	\$11.49		Terminating	Common Transport
					*	
North Carolina 2,526,805	BS	1	\$12.11	\$2.19	\$0.0017	\$0.0006
		2	\$21.24			Tandem Switching
		3	\$33.65			\$0.00034
		Avg	\$15.88			Common Transport
			*	*		

*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
North Dakota 211,961	QW	1	\$13.53	\$1.27	\$0.001475	\$0.00069 Tandem Switching \$0.001110 Common Transport
		2	\$22.80			
		3	\$51.65			
		Avg	\$16.28			
Ohio 4,184,185	SBC	B	\$5.93	\$4.63	\$0.003226	\$0.000689 Tandem Switching
		C	\$7.97			
		D	\$9.52			
		Avg	\$7.01			
Oklahoma 1,663,280	SBC	3	\$12.14	\$2.18	\$0.002041	\$0.000794 Tandem Switching \$0.000729-\$0.000546 Common Transport
		2	\$13.65	\$2.21	\$0.001881	
		1	\$26.25	\$2.58	\$0.002850	
		Avg	\$14.84	\$2.25		
Oregon 1,424,151	QW	1	\$13.95	\$1.26	\$0.001330	\$0.00069 Tandem Switching \$0.001040 Common Transport
		2	\$25.20			
		3	\$56.21			
		Avg	\$15.00			
Pennsylvania 6,283,372	VZ	1	\$10.25	Option A: \$2.67	\$0.001802	\$0.000795 Tandem Switching \$0.000144 Common Transport
		2	\$11.00	Option B:*** \$1.90	Originating \$0.001615	
		3	\$14.00		Terminating	
		4	\$16.75			
Avg	\$13.81					
Rhode Island 641,977	VZ	1	\$11.19	\$1.86	\$0.001358 Originating \$0.001192 Terminating	\$0.001418 Tandem Switching \$0.001050 Common Transport
		2	\$15.44			
		3	\$19.13			
		Avg	\$13.93			
South Carolina 1,503,098	BS	1	\$14.94	\$1.65	\$0.0010519	\$0.0001634 Tandem Switching \$0.0004095 Common Transport
		2	\$21.39			
		3	\$26.72			
		Avg	\$17.60 *			
South Dakota 257,651	QW	1	\$17.01	\$1.84	\$0.003469	\$0.001748 Tandem Switching \$0.001388 Common Transport
		2	\$18.54			
		3	\$24.37			
		Avg	\$21.09			
Tennessee 2,673,375	BS	1	\$11.74	\$1.89	\$0.0008041	\$0.0009778 Tandem Switching \$0.00038 Common Transport
		2	\$17.59			
		3	\$29.37			
		Avg	\$14.92 *			

*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

*** Option A includes all vertical features. Option B includes all vertical features except 3-way calling.

Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Texas 10,128,429	SBC	3	\$12.14	\$1.58	\$0.002116	\$0.000794 Tandem Switching \$0.000123-\$0.000144 Common Transport
		2	\$13.65	\$2.47		
		1	\$18.98	\$4.21		
		Avg	\$14.15	\$2.90		
Utah 1,076,872	QW	1	\$11.41	\$0.89	0.001427 0.001654 0.001798 \$0.001626	\$0.000671-\$0.000694 Tandem Switching \$0.000990 Common Transport
		2	\$13.83	\$0.90		
		3	\$19.11	\$1.02		
		Avg	\$13.03	\$0.92		
Vermont 360,161	VZ	1	\$7.72	\$1.03	\$0.004003	\$0.000921 Tandem Switching \$0.000630 Common Transport
		2	\$8.35			
		3	\$21.63			
		Avg	\$14.41			
Virginia 3,583,082	VZ	1	\$10.74	\$1.30	\$0.002643 Originating \$0.001331 Terminating	\$0.000548 Tandem Switching \$0.000114 Common Transport
		2	\$16.45			
		3	\$29.40			
		Avg	\$13.60			
Washington 2,496,763	QW	1	\$6.05	\$1.34	\$0.001178	\$0.00089 Tandem Switching \$0.000760 Common Transport
		2	\$10.99			
		3	\$12.40			
		4	\$13.95			
		5	\$18.70			
		Avg	\$14.20			
West Virginia 862,638	VZ	1	\$14.49	\$1.60	\$0.002586 Originating \$0.002505 Terminating	\$0.0002394 Tandem Switching \$0.00067 Common Transport
		2	\$22.04			
		3	\$35.00			
		4	\$43.44			
		Avg	\$20.41			
Wisconsin 2,207,651	SBC	1	\$10.90	\$3.06	\$0.001319 Included in port rate	\$0.000291 Tandem Switching \$0.001072 Common Transport
Wyoming 261,260	QW	BRA	\$19.91	\$2.64	\$0.000920	\$0.000690 Tandem Switching \$0.001110 Common Transport
		1	\$26.94			
		2	\$30.13			
		3	\$40.98			
		Avg	\$23.39			

Note: Access line data from NECA USF submission to FCC, dated October 1, 2002.

UNE COMBINATION RATES

Rates Effective When Used As Part of Loop/Port Combination or UNE-P
Updated January 2003

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Alabama 1,964,890	BS	1 2 3 Avg	\$11.55 \$20.04 \$33.65 \$16.66	\$1.15 \$1.98 w/ all features	\$0.0017	\$0.00063 Tandem Switching \$0.00045 Common Transport
Florida 6,693,257	BS	1 2 3 Avg	\$9.77 \$13.88 \$24.63 \$13.95	\$1.17	\$0.000766	\$0.0001319 Tandem Switching \$0.0004372 Termination
Georgia 4,225,392	BS	1 2 3 Avg	\$10.80 \$12.47 \$19.83 \$12.55	\$1.79	\$0.001633	\$0.0006757 Tandem Switching \$0.0002126 Common Transport
Kentucky Avg	BS	1 2 3 Avg	\$9.64 \$14.37 \$30.59 \$17.26	\$1.15	\$0.001197	\$0.000194 Tandem Switching \$0.0007466 Common Transport
Louisiana 2,377,949	BS	1 2 3 Avg	\$11.77 \$22.39 \$48.26 \$16.24	\$1.36	\$0.001868	\$0.0001067 Tandem Switching \$0.0003748 Common Transport
Mississippi 1,345,229	BS	1 2 3 4 Avg	\$10.98 \$15.91 \$25.04 \$43.68 \$22.37	\$1.23 \$2.56 w/ all features	\$0.0010269	\$0.0001723 Tandem Switching \$0.0004541 Common Transport
New York 11,857,572	VZ	1 2 3 Avg	\$7.70 \$11.31 \$15.51 \$11.49	\$2.57	\$0.001147 Originating \$0.001110 Terminating	\$0.000481 Tandem Switching \$0.000939 Common Transport
North Carolina 2,526,805	BS	1 2 3 Avg	\$10.75 \$19.05 \$30.33 \$14.18	\$2.28	\$0.00170	\$0.00060 Tandem Switching \$0.00034 Common Transport
South Carolina 1,503,098	BS	1 2 3 Avg	\$13.76 \$20.38 \$26.04 \$16.51	\$1.13 \$3.04 w/ all features	\$0.0010519	\$0.0001634 Tandem Switching \$0.0004095 Common Transport
Tennessee 2,673,375	BS	1 2 3 Avg	\$11.11 \$16.65 \$27.80 \$14.12	\$1.70	\$0.0008041	\$0.0009778 Tandem Switching \$0.0003871 Common Transport

Note: Access line data from NECA USF submission to FCC, dated October 1, 2002.

UNE RATE/REVENUE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$1.70	\$14.40	\$42.67	33.7%
		2	\$20.04			\$22.89		53.6%
		3	\$33.65			\$36.50		85.5%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	n/a	n/a
	ACS	1	\$19.19	\$1.38	\$2.03	\$22.60		
Arizona	QW	1	\$9.05	\$1.61	\$2.80	\$13.46	\$34.06	39.5%
		2	\$14.84			\$19.25		56.5%
		3	\$36.44			\$40.85		119.9%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$34.86	42.4%
		2	\$13.64		\$1.69	\$16.94		48.6%
		1	\$23.34		\$2.53	\$27.48		78.8%
		Avg	\$13.09		\$1.84			
California	SBC	1	\$8.83	\$0.88	\$0.77	\$10.48	\$26.76	39.2%
		2	\$11.27			\$12.92		48.3%
		3	\$19.63			\$21.28		79.5%
		Avg	\$9.93					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$42.64	20.3%
		2	\$12.31			\$15.07		35.3%
		3	\$32.74			\$35.50		83.3%
		Avg	\$15.85					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$15.84	\$32.04	49.4%
		B	\$12.03			\$18.92		59.1%
		C	\$13.28			\$20.17		63.0%
		D	\$19.69			\$26.58		83.0%
		Avg	\$12.49					
D.C.	VZ	1	\$4.29	\$0.76	\$0.36	\$5.41	\$36.57	14.8%
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$28.89	49.2%
		2	\$13.13			\$17.28		59.8%
		3	\$16.67			\$20.82		72.1%
		Avg	\$12.05					

* Assumes MOU 75% On-Net, 25% Off-Net

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$34.58	33.9%
		2	\$13.88					45.7%
		3	\$24.63					76.8%
		Avg	\$13.95					
Georgia	BS	1	\$10.80	\$1.79	\$1.63	\$14.22	\$43.72	32.5%
		2	\$12.47					36.3%
		3	\$19.83					53.2%
		Avg	\$12.55					
Hawaii	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$37.65	55.1%
		Maui	\$17.23					73.1%
		Hawaii	\$21.91					85.6%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$34.29	53.5%
		2	\$23.76					77.1%
		3	\$40.50					125.9%
		Avg	\$20.21					
Illinois	SBC	A	\$2.59	\$2.18 Port rate includes unlimited switching	n/a	\$4.77	\$36.56	13.0%
		B	\$7.07					25.3%
		C	\$11.40					37.1%
		Avg	\$9.81					
Indiana	SBC	3	\$8.03	\$2.98	n/a	\$11.01	\$33.06	33.3%
		2	\$8.15					33.7%
		1	\$8.99					36.2%
		Avg	\$8.20					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$26.71	57.7%
		2	\$15.14					66.8%
		3	\$26.39					108.9%
		Avg	\$15.94					
Kansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$33.85	43.7%
		2	\$13.64					50.0%
		1	\$23.34					81.2%
		Avg	\$14.04					\$1.84
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$41.17	29.1%
		2	\$14.37					40.6%
		3	\$30.59					80.0%
		Avg	\$17.26					

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State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage		
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$43.87	34.2%		
		2	\$22.39			\$25.62		58.4%		
		3	\$48.26			\$51.49		117.4%		
		Avg	\$16.24							
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$30.92	45.5%		
		2	\$13.47			\$16.09		52.0%		
		3	\$18.75			\$21.37		69.1%		
		Avg	\$16.19							
Maryland	VZ	A1	\$11.11	\$1.90	\$1.68	\$14.69	\$33.94	43.3%		
		A2	\$11.85			\$15.43		45.4%		
		B1	\$14.74			\$18.32		54.0%		
		B2	\$13.40			\$16.98		50.0%		
		Avg	\$12.00							
Massachusetts	VZ	1	\$7.54	\$2.00	\$3.26	\$12.80	\$31.98	40.0%		
		2	\$14.11		\$3.30			\$19.41	60.7%	
		3	\$16.12		\$3.30			\$21.42	67.0%	
		4	\$20.04		\$3.30			\$25.34	79.2%	
		Avg	\$14.98							
Michigan	SBC	A	\$8.47	\$2.53	\$1.19	\$12.19	\$30.88	39.5%		
		B	\$8.73			\$12.45		40.3%		
		C	\$12.54			\$16.26		52.7%		
		Avg	\$10.15							
Minnesota	QW	1	\$8.81	\$1.08	\$1.81	\$11.70	\$33.30	35.1%		
		2	\$12.33			\$15.22		45.7%		
		3	\$14.48			\$17.37		52.2%		
		4	\$21.91			\$24.80		74.5%		
		Avg	\$17.87							
Mississippi	BS	1	\$10.98	\$1.23	\$1.03	\$13.24	\$51.50	25.7%		
		2	\$15.91			\$18.17		35.3%		
		3	\$25.04			\$27.30		53.0%		
		4	\$43.68			\$45.94		89.2%		
		Avg	\$22.37							
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$34.51	46.6%		
		2	\$18.64			\$1.97		\$1.95	\$22.56	65.4%
		3	\$19.74			\$2.47		\$2.81	\$25.02	72.5%
		4	\$16.41			\$2.25		\$2.39	\$21.05	61.0%
		Avg	\$15.19			\$1.89		\$2.19		

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$35.13	74.7%
		2	\$23.90			\$27.05		77.0%
		3	\$27.13			\$30.28		86.2%
		4	\$29.29			\$32.44		92.3%
		Avg	\$23.72					
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$41.51	38.2%
		2	\$28.11			\$31.84		76.7%
		3	\$62.50			\$66.23		159.6%
		Avg	\$14.04					
Nevada	SBC	1	\$11.75	\$1.63	\$1.61	\$14.99	\$29.31	51.1%
		2	\$22.66			\$25.90		88.4%
		3	\$66.31			\$69.55		237.3%
		Avg	\$19.83					
New Hampshire	VZ	1	\$11.97	\$0.71	\$2.44	\$15.12	\$30.63	49.4%
		2	\$16.04			\$19.19		62.7%
		3	\$25.00			\$28.15		91.9%
		Avg	\$16.21					
New Jersey	VZ	1	\$8.12	\$1.91	\$1.18	\$11.21	\$26.09	43.0%
		2	\$9.59			\$12.68		48.6%
		3	\$10.92			\$14.01		53.7%
		Avg	\$9.52					
New Mexico	QW	1	\$16.04	\$1.38	\$1.11	\$18.53	\$32.90	56.3%
		2	\$18.34			\$20.83		63.3%
		3	\$23.70			\$26.19		79.6%
		Avg	\$18.52					
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$38.84	29.4%
		2	\$11.31			\$15.01		38.6%
		3	\$15.51			\$19.21		49.5%
		Avg	\$11.49					
North Carolina	BS	1	\$10.75	\$2.28	\$1.70	\$14.73	\$37.28	39.5%
		2	\$19.05			\$23.03		61.8%
		3	\$30.33			\$34.31		92.0%
		Avg	\$14.18					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage		
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$37.32	43.6%		
		2	\$22.80			\$25.55		68.5%		
		3	\$51.65			\$54.40		145.8%		
		Avg	\$16.28							
Ohio	SBC	B	\$5.93	\$4.63	\$3.23	\$13.79	\$33.85	40.7%		
		C	\$7.97			\$15.83		46.8%		
		D	\$9.52			\$17.38		51.3%		
		Avg	\$7.01							
Oklahoma	SBC	3	\$12.14	\$2.18	\$2.04	\$16.36	\$31.74	51.5%		
		2	\$13.65			\$22.21		\$1.88	\$17.74	55.9%
		1	\$26.25			\$2.58		\$2.85	\$31.68	99.8%
		Avg	\$14.84			\$2.25		\$2.26		
Oregon	QW	1	\$13.95	\$1.26	\$1.33	\$16.54	\$24.20	68.3%		
		2	\$25.20			\$27.79		114.8%		
		3	\$56.21			\$58.80		243.0%		
		Avg	\$15.00							
Pennsylvania	VZ	1	\$10.25	\$2.67	\$1.71	\$14.63	\$28.55	51.2%		
		2	\$11.00			\$15.38		53.9%		
		3	\$14.00			\$18.38		64.4%		
		4	\$16.75			\$21.13		74.0%		
		Avg	\$13.81							
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$31.05	46.2%		
		2	\$15.44			\$18.58		59.8%		
		3	\$19.13			\$22.27		71.7%		
		Avg	\$13.93							
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$41.97	38.0%		
		2	\$20.38			\$22.56		53.8%		
		3	\$26.04			\$28.22		67.2%		
		Avg	\$16.51							
South Dakota	QW	1	\$17.01	\$1.84	\$3.47	\$22.32	\$33.51	66.6%		
		2	\$18.54			\$23.85		71.2%		
		3	\$24.37			\$29.68		88.6%		
		Avg	\$21.09							
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$39.73	34.3%		
		2	\$16.65			\$19.15		48.2%		
		3	\$27.80			\$30.30		76.3%		
		Avg	\$14.12							

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Texas	SBC	3	\$12.14	\$1.58	\$2.12	\$15.84	\$36.65	43.2%
		2	\$13.65	\$2.47		\$18.24		49.8%
		1	\$18.98	\$4.21		\$25.31		69.1%
		Avg	\$14.15	\$2.90				
Utah	QW	1	\$11.41	\$0.89	\$1.43	\$13.73	\$35.41	38.8%
		2	\$13.83	\$0.90		\$16.38		46.3%
		3	\$19.11	\$1.02		\$21.93		61.9%
		Avg	\$13.03	\$0.92		\$1.63		
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$36.70	34.7%
		2	\$8.35			\$13.38		36.5%
		3	\$21.63			\$26.66		72.6%
		Avg	\$14.41					
Virginia	VZ	1	\$10.74	\$1.30	\$1.99	\$14.03	\$34.07	41.2%
		2	\$16.45			\$19.74		57.9%
		3	\$29.40			\$32.69		95.9%
		Avg	\$13.597					
Washington	QW	1	\$6.05	\$1.34	\$1.18	\$8.57	\$32.30	26.5%
		2	\$10.99			\$13.51		41.8%
		3	\$12.40			\$14.92		46.2%
		4	\$13.95			\$16.47		51.0%
		5	\$18.70			\$21.22		65.7%
		Avg	\$14.20					
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$40.50	46.0%
		2	\$22.04			\$26.19		64.7%
		3	\$35.00			\$39.15		96.7%
		4	\$43.44			\$47.59		117.5%
		Avg	\$20.41					
Wisconsin	SBC	1	\$10.90	\$3.06	\$0.00	\$13.96	\$33.53	41.6%
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$42.54	55.2%
		1	\$26.94			\$30.50		71.7%
		2	\$30.13			\$33.69		79.2%
		3	\$40.98			\$44.54		104.7%
		Avg	\$23.39					

NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/ night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Average revenue per line is taken from the FCC's Trends in Telephone Service, May 2002, Table 16.8. The revenue per line is an average of all incumbent local exchange and subscriber line charge revenue, business and residence.
4. The Percentage column is the Total Cost column divided by Average Revenue/line.

UNE RATE/RESIDENTIAL RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$1.70	\$14.40	\$25.35	56.8%
		2	\$20.04			\$22.89		90.3%
		3	\$33.65			\$36.50		144.0%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	\$16.35	157.7%
Arizona	QW	1	\$9.05	\$1.61	\$2.80	\$13.46	\$21.83	61.7%
		2	\$14.84			\$19.25		88.2%
		3	\$36.44			\$40.85		187.1%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$24.56	60.2%
		2	\$13.64			\$16.94		69.0%
		1	\$23.34			\$27.48		111.9%
		Avg	\$13.09			\$1.84		
California	SBC	1	\$8.83	\$0.88	\$0.77	\$10.48	\$17.10	61.3%
		2	\$11.27			\$12.92		75.6%
		3	\$19.63			\$21.28		124.4%
		Avg	\$9.93					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$24.58	35.3%
		2	\$12.31			\$15.07		61.3%
		3	\$32.74			\$35.50		144.4%
		Avg	\$20.65					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$15.84	\$21.38	74.1%
		B	\$12.03			\$18.92		88.5%
		C	\$13.28			\$20.17		94.3%
		D	\$19.69			\$26.58		124.3%
		Avg	\$12.49					
D.C.	VZ	1	\$4.29	\$0.76	\$0.36	\$5.41	\$20.84	26.0%

* Assumes MOU 75% On-Net, 25% Off-Net

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$17.58	80.9%
		2	\$13.13			\$17.28	\$17.58	98.3%
		3	\$16.67			\$20.82	\$18.24	114.1%
		Avg	\$12.05					
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$19.47	60.1%
		2	\$13.88			\$15.82		81.3%
		3	\$24.63			\$26.57		136.5%
		Avg	\$13.95					
Georgia	BS	1	\$10.80	\$1.79	\$1.63	\$14.22	\$27.68	51.4%
		2	\$12.47			\$15.89		57.4%
		3	\$19.83			\$23.25		84.0%
		Avg	\$12.55					
Hawaii	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$25.90	80.1%
		Maui	\$17.23			\$27.53		106.3%
		Hawaii	\$21.91			\$32.21		124.4%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$24.02	76.3%
		2	\$23.76			\$26.44		110.1%
		3	\$40.50			\$43.18		179.8%
		Avg	\$20.21					
Illinois	SBC	A	\$2.59	\$2.18	n/a	\$4.77	\$21.66	22.0%
		B	\$7.07			\$9.25		42.7%
		C	\$11.40			\$13.58		62.7%
		Avg	\$9.81					
Indiana	SBC	3	\$8.03	\$2.98	n/a	\$11.01	\$20.44	53.9%
		2	\$8.15			\$11.13		54.5%
		1	\$8.99			\$11.97		58.6%
		Avg	\$8.20					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$17.93	85.9%
		2	\$15.14			\$17.85		105.2%
		3	\$26.39			\$29.10		182.0%
		Avg	\$15.94					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Kansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$19.57	75.5%
		2	\$13.64		\$1.69	\$16.94		86.6%
		1	\$23.34		\$2.53	\$27.48		140.4%
		Avg	\$14.04		\$1.84			
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$28.22	42.5%
		2	\$14.37			\$16.72		59.2%
		3	\$30.59			\$32.94		116.7%
		Avg	\$17.26					
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$22.25	67.4%
		2	\$22.39			\$25.62		115.1%
		3	\$48.26			\$51.49		231.4%
		Avg	\$16.24					
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$25.62	54.9%
		2	\$13.47			\$16.09		62.8%
		3	\$18.75			\$21.37		83.4%
		Avg	\$16.19					
Maryland	VZ	A1	\$11.11	\$1.90	\$1.68	\$14.69	\$26.62	55.2%
		A2	\$11.85			\$15.43		57.9%
		B1	\$14.74			\$18.32		68.8%
		B2	\$13.40			\$16.98		63.8%
		Avg	\$12.00					
Massachusetts	VZ	1	\$7.54	\$2.00	\$3.26	\$12.80	\$25.24	50.7%
		2	\$14.11		\$3.30	\$19.41		76.9%
		3	\$16.12		\$3.30	\$21.42		84.9%
		4	\$20.04		\$3.30	\$25.34		100.4%
		Avg	\$14.98		\$3.30			
Michigan	SBC	A	\$8.47	\$2.53	\$1.19	\$12.19	\$27.10	45.0%
		B	\$8.73			\$12.45		45.9%
		C	\$12.54			\$16.26		60.0%
		Avg	\$10.15					
Minnesota	QW	1	\$8.81	\$1.08	\$1.81	\$11.70	\$22.14	52.8%
		2	\$12.33			\$15.22		68.7%
		3	\$14.48			\$17.37		78.5%
		4	\$21.91			\$24.80		112.0%
		Avg	\$17.87					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Mississippi	BS	1	\$10.98	\$1.23	\$1.03	\$13.24	\$27.55	48.1%
		2	\$15.91			\$18.17		66.0%
		3	\$25.04			\$27.30		99.1%
		4	\$43.68			\$45.94		166.8%
		Avg	\$22.37					
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$20.65	77.8%
		2	\$18.64	\$1.97	\$1.95	\$22.56		109.2%
		3	\$19.74	\$2.47	\$2.81	\$25.02		121.2%
		4	\$16.41	\$2.25	\$2.39	\$21.05		101.9%
		Avg	\$15.19	\$1.89	\$2.19			
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$24.86	105.6%
		2	\$23.90			\$27.05		108.8%
		3	\$27.13			\$30.28		121.8%
		4	\$29.29			\$32.44		130.5%
		Avg	\$23.72					
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$28.01	56.7%
		2	\$28.11			\$31.84		113.7%
		3	\$62.50			\$66.23		236.5%
		Avg	\$14.04					
Nevada	SBC	1	\$11.75	\$1.63	\$1.61	\$14.99	\$16.55	90.6%
		2	\$22.66			\$25.90		156.5%
		3	\$66.31			\$69.55		420.2%
		Avg	\$19.83					
New Hampshire	VZ	1	\$11.97	\$0.71	\$2.44	\$15.12	\$22.35	67.7%
		2	\$16.04			\$19.19		91.1%
		3	\$25.00			\$28.15		150.1%
		Avg	\$16.21					
New Jersey	VZ	1	\$8.12	\$1.91	\$1.18	\$11.21	\$15.76	71.1%
		2	\$9.59			\$12.68		80.5%
		3	\$10.92			\$14.01		88.9%
		Avg	\$9.52					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage		
New Mexico	QW	1	\$16.04	\$1.38	\$1.11	\$18.53	\$19.21	96.5%		
		2	\$18.34			\$20.83		108.4%		
		3	\$23.70			\$26.19		136.3%		
		Avg	\$18.52							
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$26.15	43.6%		
		2	\$11.31			\$15.01		57.4%		
		3	\$15.51			\$19.21		73.5%		
		Avg	\$11.49							
North Carolina	BS	1	\$10.75	\$2.28	\$1.70	\$14.73	\$19.85	74.2%		
		2	\$19.05			\$23.03		116.0%		
		3	\$30.33			\$34.31		172.8%		
		Avg	\$14.18							
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$24.25	67.1%		
		2	\$22.80			\$25.55		105.4%		
		3	\$51.65			\$54.40		224.3%		
		Avg	\$16.28							
Ohio	SBC	B	\$5.93	\$4.63	\$3.23	\$13.79	\$20.39	67.6%		
		C	\$7.97			\$15.83		77.6%		
		D	\$9.52			\$17.38		85.2%		
		Avg	\$7.01							
Oklahoma	SBC	3	\$12.14	\$2.18	\$2.04	\$16.36	\$19.39	84.4%		
		2	\$13.65			\$17.74		91.5%		
		1	\$26.25			\$2.58		\$2.85	\$31.68	163.4%
		Avg	\$14.84			\$2.25		\$2.26		
Oregon	QW	1	\$13.95	\$1.26	\$1.33	\$16.54	\$23.74	69.7%		
		2	\$25.20			\$27.79		117.1%		
		3	\$56.21			\$58.80		247.7%		
		Avg	\$15.00							
Pennsylvania	VZ	1	\$10.25	\$2.67	\$1.71	\$14.63	\$21.15	69.2%		
		2	\$11.00			\$15.38		72.7%		
		3	\$14.00			\$18.38		86.9%		
		4	\$16.75			\$21.13		99.9%		
		Avg	\$13.81							

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$25.76	55.6%
		2	\$15.44			\$18.58		72.1%
		3	\$19.13			\$22.27		86.5%
		Avg	\$13.93					
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$21.93	72.7%
		2	\$20.38			\$22.56	\$21.03	107.3%
		3	\$26.04			\$28.22	\$19.68	143.4%
		Avg	\$16.51					
South Dakota	QW	1	\$17.01	\$1.84	\$3.47	\$22.32	\$24.81	90.0%
		2	\$18.54			\$23.85		96.1%
		3	\$24.37			\$29.68		119.6%
		Avg	\$21.09					
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$22.08	61.6%
		2	\$16.65			\$19.15		86.7%
		3	\$27.80			\$30.30		137.2%
		Avg	\$14.12					
Texas	SBC	3	\$12.14	\$1.58	\$2.12	\$15.84	\$20.42	77.6%
		2	\$13.65	\$2.47		\$18.24		89.3%
		1	\$18.98	\$4.21		\$25.31		123.9%
		Avg	\$14.15	\$2.90				
Utah	QW	1	\$11.41	\$0.89	\$1.43	\$13.73	\$21.02	65.3%
		2	\$13.83	\$0.90	\$1.65	\$16.38		77.9%
		3	\$19.11	\$1.02	\$1.80	\$21.93		104.3%
		Avg	\$13.03	\$0.92	\$1.63			
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$26.03	49.0%
		2	\$8.35			\$13.38		51.4%
		3	\$21.63			\$26.66		102.4%
		Avg	\$14.41					
Virginia	VZ	1	\$10.74	\$1.30	\$3.10	\$15.14	\$30.61	49.5%
		2	\$16.45			\$20.85		68.1%
		3	\$29.40			\$33.80		110.4%
		Avg	\$13.60					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Washington	QW	1	\$6.05	\$1.34	\$1.18	\$8.57	\$20.62	41.6%
		2	\$10.99			\$13.51		65.5%
		3	\$12.40			\$14.92		72.4%
		4	\$13.95			\$16.47		79.9%
		5	\$18.70			\$21.22		102.9%
		Avg	\$14.20					
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$28.18	66.1%
		2	\$22.04			\$26.19		92.9%
		3	\$35.00			\$39.15		138.9%
		4	\$43.44			\$47.59		168.9%
		Avg	\$20.41					
Wisconsin	SBC	1	\$10.90	\$3.06	n/a	\$13.96	\$27.76	50.3%
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$29.66	79.1%
		1	\$26.94			\$30.50		102.8%
		2	\$30.13			\$33.69		113.6%
		3	\$40.98			\$44.54		150.2%
		Avg	\$23.39					

NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Monthly residential rates by state are taken from the FCC's Reference Book of Rates, Price Indices and Expenditures for Telephone Service, July 2002, Table 1.3, adjusted for changes in federal subscriber line charge and federal universal service surcharge on end-users. Rates for Delaware, Idaho, Iowa, Kansas, Nevada, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont & Wyoming taken from tariffs, including federal subscriber line charge and federal universal service surcharge on end-users.
4. The Percentage column is the Total Cost column divided by the Average Residential Rate Column.

UNE RATE/BUSINESS RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$1.70	\$14.40	\$48.65	29.6%
		2	\$20.04			\$22.89		47.1%
		3	\$33.65			\$36.50		75.0%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	\$32.99	78.2%
Arizona	QW	1	\$9.05	\$1.61	\$2.80	\$13.46	\$44.41	30.3%
		2	\$14.84			\$19.25		43.3%
		3	\$36.44			\$40.85		92.0%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$43.51	34.0%
		2	\$13.64		\$1.69	\$16.94		38.9%
		1	\$23.34		\$2.53	\$27.48		63.2%
		Avg	\$13.09		\$1.84			
California	SBC	1	\$8.83	\$0.88	\$0.77	\$10.48	\$16.61	63.1%
		2	\$11.27			\$12.92		77.8%
		3	\$19.63			\$21.28		128.1%
		Avg	\$9.93					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$47.62	18.2%
		2	\$12.31			\$15.07		31.6%
		3	\$32.74			\$35.50		74.5%
		Avg	\$15.85					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$19.41	\$44.52	43.6%
		B	\$12.03			\$22.49		50.5%
		C	\$13.28			\$23.74		53.3%
		D	\$19.69			\$30.15		67.7%
		Avg	\$12.49					
D.C.	VZ	1	\$4.29	\$0.76	\$0.36	\$5.41	\$19.33	28.0%

* Assumes MOU 75% On-Net, 25% Off-Net

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$32.65	43.6%
		2	\$13.13			\$17.28		52.9%
		3	\$16.67			\$20.82		63.4%
		Avg	\$12.05					
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$42.83	27.3%
		2	\$13.88			\$15.82		36.9%
		3	\$24.63			\$26.57		62.0%
		Avg	\$13.95					
Georgia	BS	1	\$10.80	\$1.79	\$1.63	\$14.22	\$62.05	22.9%
		2	\$12.47			\$15.89		25.6%
		3	\$19.83			\$23.25		37.5%
		Avg	\$12.55					
Hawaii *	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$51.76	40.1%
		Maui	\$17.23			\$27.53		53.2%
		Hawaii	\$21.91			\$32.21		62.2%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$39.03	47.0%
		2	\$23.76			\$26.44		67.7%
		3	\$40.50			\$43.18		110.6%
		Avg	\$20.21					
Illinois	SBC	A	\$2.59	\$2.18 Port rate includes unlimited switching	n/a	\$4.77	\$12.56	38.0%
		B	\$7.07			\$9.25		73.6%
		C	\$11.40			\$13.58		108.1%
		Avg	\$9.81					
Indiana	SBC	3	\$8.03	\$2.98 Port rate includes unlimited switching	n/a	\$11.01	\$58.54	18.8%
		2	\$8.15			\$11.13		19.0%
		1	\$8.99			\$11.97		20.4%
		Avg	\$8.20					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$36.46	42.2%
		2	\$15.14			\$17.85		51.7%
		3	\$26.39			\$29.10		89.3%
		Avg	\$15.94					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Kansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$31.87	46.4%
		2	\$13.64		\$1.69	\$16.94		53.2%
		1	\$23.34		\$2.53	\$27.48		86.2%
		Avg	\$14.04		\$1.84			
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$49.81	24.1%
		2	\$14.37			\$16.72		33.6%
		3	\$30.59			\$32.94		66.1%
		Avg	\$17.26					
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$44.85	33.4%
		2	\$22.39			\$25.62		57.1%
		3	\$48.26			\$51.49		114.8%
		Avg	\$16.24					
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$44.76	31.4%
		2	\$13.47			\$16.09		35.9%
		3	\$18.75			\$21.37		47.7%
		Avg	\$16.19					
Maryland	VZ	A1	\$11.11	\$1.90	\$1.68	\$14.69	\$22.98	63.9%
		A2	\$11.85			\$15.43		67.1%
		B1	\$14.74			\$18.32		79.7%
		B2	\$13.40			\$16.98		73.9%
		Avg	\$12.00					
Massachusetts	VZ	1	\$7.54	\$2.00	\$3.26	\$12.80	\$49.50	25.9%
		2	\$14.11		\$3.30	\$19.41		39.2%
		3	\$16.12		\$3.30	\$21.42		43.3%
		4	\$20.04		\$3.30	\$25.34		51.2%
		Avg	\$14.98					
Michigan	SBC	A	\$8.47	\$2.53	\$1.19	\$12.19	\$23.01	53.0%
		B	\$8.73			\$12.45		54.1%
		C	\$12.54			\$16.26		70.7%
		Avg	\$10.15					
Minnesota	QW	1	\$8.81	\$1.08	\$1.81	\$11.70	\$53.58	21.8%
		2	\$12.33			\$15.22		28.4%
		3	\$14.48			\$17.37		32.4%
		4	\$21.91			\$24.80		46.3%
		Avg	\$17.87					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage	
Mississippi	BS	1	\$10.98	\$1.23	\$1.03	\$13.24	\$49.59	26.7%	
		2	\$15.91			\$18.17		36.6%	
		3	\$25.04			\$27.30		55.1%	
		4	\$43.68			\$45.94		92.6%	
		Avg	\$22.37						
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$47.54	33.8%	
		2	\$18.64	\$1.97	\$1.95	\$22.56		47.5%	
		3	\$19.74	\$2.47	\$2.81	\$25.02		52.6%	
		4	\$16.41	\$2.25	\$2.39	\$21.05		44.3%	
		Avg	\$15.19	\$1.89	\$2.19				
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$43.25	60.7%	
		2	\$23.90			\$27.05		62.5%	
		3	\$27.13			\$30.28		70.0%	
		4	\$29.29			\$32.44		75.0%	
		Avg	\$23.72						
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$39.30	40.4%	
		2	\$28.11			\$31.84		81.0%	
		3	\$62.50			\$66.23		168.5%	
		Avg	\$14.04						
		Nevada	SBC			1		\$11.75	\$1.63
2	\$22.66			\$25.90	93.8%				
3	\$66.31			\$69.55	252.0%				
Avg	\$19.83								
New Hampshire	VZ			1	\$11.97	\$0.71	\$2.44	\$15.12	
		2	\$16.04	\$19.19	40.9%				
		3	\$25.00	\$28.15	73.4%				
		Avg	\$16.21						
		New Jersey	VZ	1	\$8.12			\$1.91	\$1.18
2	\$9.59			\$12.68	67.3%				
3	\$10.92			\$14.01	74.3%				
Avg	\$9.52								
New Mexico	QW			1	\$16.04	\$1.38	\$1.11		
		2	\$18.34	\$20.83	45.0%				
		3	\$23.70	\$26.19	56.6%				
		Avg	\$18.52						

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage		
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$24.93	45.7%		
		2	\$11.31			\$15.01		60.2%		
		3	\$15.51			\$19.21		77.1%		
		Avg	\$11.49							
North Carolina	BS	1	\$10.75	\$2.28	\$1.70	\$14.73	\$42.58	34.6%		
		2	\$19.05			\$23.03		54.1%		
		3	\$30.33			\$34.31		80.6%		
		Avg	\$14.18							
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$35.10	46.4%		
		2	\$22.80			\$25.55		72.8%		
		3	\$51.65			\$54.40		155.0%		
		Avg	\$16.28							
Ohio	SBC	B	\$5.93	\$4.63	\$3.23	\$13.79	\$30.18	45.7%		
		C	\$7.97			\$15.83		52.5%		
		D	\$9.52			\$17.38		57.6%		
		Avg	\$7.01							
Oklahoma	SBC	3	\$12.14	\$2.18	\$2.04	\$16.36	\$45.48	36.0%		
		2	\$13.65			\$2.21		\$17.74	39.0%	
		1	\$26.25			\$2.58		\$2.85	\$31.68	69.7%
		Avg	\$14.84			\$2.25		\$2.26		
Oregon	QW	1	\$13.95	\$1.26	\$1.33	\$16.54	\$39.84	41.5%		
		2	\$25.20			\$27.79		69.8%		
		3	\$56.21			\$58.80		147.6%		
		Avg	\$15.00							
Pennsylvania	VZ	1	\$10.25	\$2.67	\$1.71	\$14.63	\$20.94	69.9%		
		2	\$11.00			\$15.38		73.4%		
		3	\$14.00			\$18.38		87.8%		
		4	\$16.75			\$21.13		100.9%		
		Avg	\$13.81							
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$26.23	54.6%		
		2	\$15.44			\$18.58		70.8%		
		3	\$19.13			\$22.27		84.9%		
		Avg	\$13.93							

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$49.28	32.3%
		2	\$20.38			\$22.56	\$45.88	49.2%
		3	\$26.04			\$28.22	\$40.78	69.2%
		Avg	\$16.51					
South Dakota	QW	1	\$17.01	\$1.84	\$3.47	\$22.32	\$44.96	49.6%
		2	\$18.54			\$23.85		53.0%
		3	\$24.37			\$29.68		66.0%
		Avg	\$21.09					
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$57.48	23.7%
		2	\$16.65			\$19.15		33.3%
		3	\$27.80			\$30.30		52.7%
		Avg	\$14.12					
Texas	SBC	3	\$12.14	\$1.58	\$2.12	\$15.84	\$40.10	39.5%
		2	\$13.65			\$18.24		45.5%
		1	\$18.98			\$25.31		63.1%
		Avg	\$14.15			\$2.90		
Utah	QW	1	\$11.41	\$0.89	\$1.43	\$13.73	\$30.30	45.3%
		2	\$13.83			\$16.38		54.1%
		3	\$19.11			\$21.93		72.4%
		Avg	\$13.03			\$0.92		\$1.63
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$47.38	26.9%
		2	\$8.35			\$13.38		28.2%
		3	\$21.63			\$26.66		56.3%
		Avg	\$14.41					
Virginia	VZ	1	\$10.74	\$1.30	\$1.99	\$14.03	\$79.91	17.6%
		2	\$16.45			\$19.74		24.7%
		3	\$29.40			\$32.69		40.9%
		Avg	\$13.60					
Washington	QW	1	\$6.05	\$1.34	\$1.18	\$8.57	\$39.41	21.7%
		2	\$10.99			\$13.51		34.3%
		3	\$12.40			\$14.92		37.9%
		4	\$13.95			\$16.47		41.8%
		5	\$18.70			\$21.22		53.8%
		Avg	\$14.20					

Updated January 2003

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$61.80	30.2%
		2	\$22.04			\$26.19		42.4%
		3	\$35.00			\$39.15		63.3%
		4	\$43.44			\$47.59		77.0%
		Avg	\$20.41					
Wisconsin	SBC	1	\$10.90	\$3.06	n/a	\$13.96	\$21.74	64.2%
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$29.66	79.1%
		1	\$26.94			\$30.50		102.8%
		2	\$30.13			\$33.69		113.6%
		3	\$40.98			\$44.54		150.2%
		Avg	\$23.39					

NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Monthly residential rates by state are taken from the FCC's Reference Book of Rates, Price Indices and Expenditures for Telephone Service, July 2002, Table 1.10, adjusted for changes in the federal subscriber line charge and federal universal service surcharge on end-users. Rates for Delaware, Idaho, Iowa, Kansas, Nevada, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont & Wyoming taken from tariffs, including federal subscriber line charge and federal universal service surcharge on end-users.
4. The Percentage column is the Total Cost column divided by the Average Business Rate column.